

BTL-1500

User Manual

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1 BASIC FEATURES

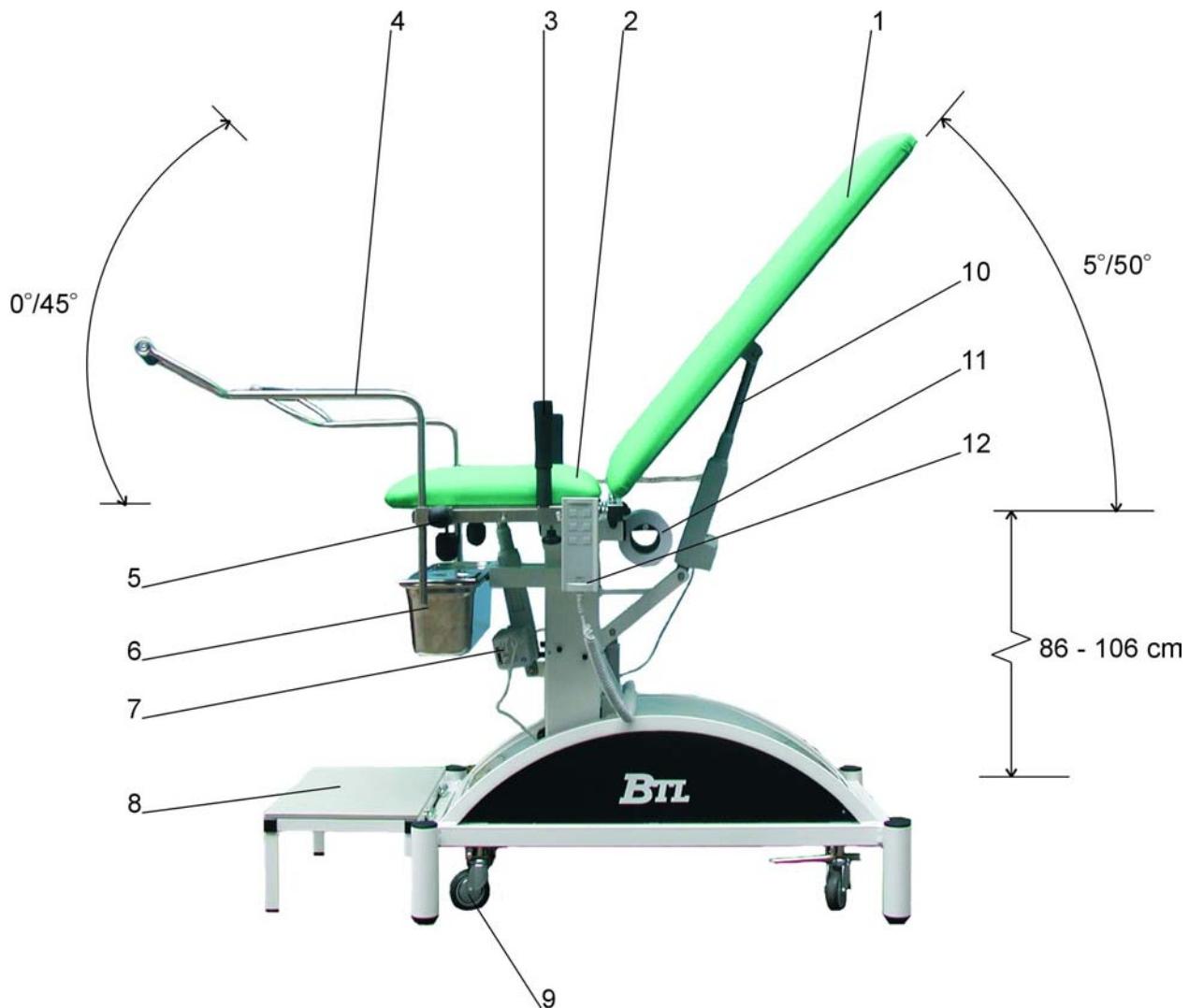
The BTL-1500 gynaecological chair is manufactured in four configurations: one-motor, two-motor, three-motor, and a three-motor chair with memory. The one-motor chair comes with electrically adjustable height while the positions of the seat and the back-rest are fixed. The two-motor configuration has electrically adjustable height and back-rest. The three-motor configuration offers electrical adjustment of all three parts - height, back-rest, and seat. The three-motor chair with memory also offers electrical adjustment of all three parts and in addition, it enables the user to pre-set the most commonly used positions of the chair.

All chair configurations are supplied with the following standard accessories: leg supports, handgrips, a hand switch, holder for sanitary paper, and stainless steel trash bin.

The chair can be additionally supplied with retractable castors, a foot switch, underhead pillow, step (integrated or detachable), colposcope holder, and lamp.

2 USER MANUAL

2.1 Appearance (Three-motor Configuration)



The seat and back-rest leatherette upholstery is available in a wide range of colours. The frame is metal and varnished.

1. back-rest
2. seat
3. handgrips
4. leg supports (under heels)
5. fixing screw
6. stainless steel trash bin
7. motor for seat adjustment
8. integrated folding step
9. retractable castors
10. motor for back-rest adjustment
11. holder for sanitary paper
12. hand switch

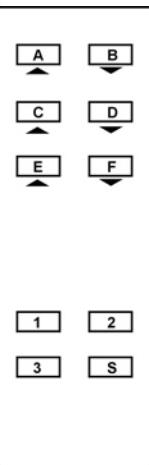
2.2 Chair Assembly and Initiation

Place the chair on a firm and even floor dimensioned for the chair weight. Minor surface unevenness can be eliminated by height-adjustable screws located at the feet of the chair. In case of any questions, please contact your BTL service technician or BTL Service Department.

Connect the chair directly to the power source and check its functions by using the control unit.

2.3 Control Units

2.3.1 Hand Switch (standard)



Operation:

A desired position of the chair can be set according to arrows indicated on the hand switch. It is pre-set by the manufacturer that the A and B buttons are used to adjust height of the chair, the C and D buttons are used to adjust the position of the back-rest and the E and F buttons are used to adjust the position of the seat.

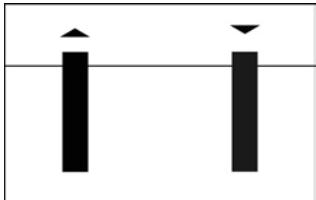
Programming (available only in three-motor modification with memory)

- 1) Keep the S button pressed during the whole programming time.
- 2) Set the desired position of the chair using buttons for adjustment of individual parts - height, back-rest, and seat.
- 3) Press the number of the programme (1-3).
- 4) Release the S button.

To adjust the position of the chair according to a pre-set programme, press the number of the corresponding programme.

The number of control units depends on the selected chair configuration.

2.3.2 Foot Switch (optional)



Operation:

The foot switch can be used to adjust one part of the chair instead of the hand switch (available only in one or two-motor configuration).

3 ACCESSORIES

3.1 One-motor Configuration

Standard:

Hand switch for one motor
Holder for sanitary paper (seat cover)
Leg supports (under heels)
Handgrips
Stainless steel trash bin (50 x 15 x 15)

Additional:

Retractable castors with a lifting mechanism
Foot switch
Underhead pillow
Leg supports with a special joint (under knees)
Detachable step
Integrated folding step
Additional lamp
Colposcope holder
Holder for sanitary paper (backrest and seat cover)
Extra width (70 cm)

3.2 Two-motor Configuration

Standard:

Hand switch for two motors
Holder for sanitary paper (seat cover)
Leg supports (under heels)
Handgrips
Stainless steel trash bin (50 x 15 x 15)

Additional:

Retractable castors with a lifting mechanism
Foot switch
Underhead pillow
Leg supports with a special joint (under knees)
Detachable step
Integrated folding step
Additional lamp
Colposcope holder
Holder for sanitary paper (backrest and seat cover)
Extra width (70 cm)

3.3 Three-motor Configuration / with Memory

Standard:

Hand switch for three motors / Hand switch for three motors with the function to pre-set chair positions
Holder for sanitary paper (seat cover)
Leg supports (under heels)
Handgrips
Stainless steel trash bin (50 x 15 x 15)

Additional:

Retractable castors with a lifting mechanism
Underhead pillow
Leg supports with a special joint (under knees)
Detachable step
Integrated folding step
Additional lamp
Colposcope holder
Holder for sanitary paper (backrest and seat cover)
Extra width (70 cm)

4 MAINTENANCE AND SAFETY

- Wash the upholstery with detergent. For disinfection use for example 10% Persteril. Do not use acetone-based substances!
- It is recommended to check the chair thoroughly once a month in order to detect loose cables, damaged cable insulation, etc. In case of any mechanical or other damage, do not use the chair and contact your service technician.

4.1 Safety Measures

- Read the manual carefully before using the chair.
- All the chair users have to be instructed in operation, maintenance and safe use of the chair by the manufacturer or supplier.
- The power source, to which the chair is to be connected, has to comply with the electrical specifications of the chair. In case of any discrepancies, have it inspected by an electrician.
- Use the chair in a proper work environment described in Chapter 5 under Technical Parameters.
- Do not dismantle the chair. Removing the chair cover might result in an electric shock!
- Move the chair with castors only on an even surface! Otherwise, it is necessary to lift the table.
- The maximum chair load is 180 kg.

4.2 Warranty

The product is warranted against defects in materials and workmanship for a period of one year from the date of shipment. The manufacturer will at its option repair or replace components which prove to be defective during the warranty period provided that the product is used in accordance with the manual. Should the product be returned to the manufacturer for repair or replacement, it must be sent carriage paid.

5 TECHNICAL PARAMETERS

	manufacturing	commercial
1. Identification		
1.1.Product type	BTL-65	BTL-1500
1.2.Product name	gynaecological chair	gynaecological chair
1.3.Configurations	1-motor 2-motor 3-motor 3-motor with memory	1-motor 2-motor 3-motor 3-motor with memory
1.4.Field of use	medical equipment	
2. Operating conditions		
2.1.Temperature	+10°C to +40°C	
2.2.Relative humidity	30% to 75%	
2.3.Atmospheric pressure	700 to 1060hPa	
2.4.Position	horizontal	
2.5.Mode of operation	continuous	
3. Storage conditions		
3.1.Temperature	-10°C to +55°C	
3.2.Relative humidity	25% to 85%	
3.3.Atmospheric pressure	650 to 1100hPa	
3.4.Position	horizontal	
3.5.Maximum duration	1 year	
4. Transport conditions		
4.1.Temperature	-10°C to +55°C	
4.2.Relative air humidity	25% to 85%	
4.3.Atmospheric pressure	650 to 1100hPa	
4.4.Position	horizontal	
4.5.Maximum duration	1 year	
5. Power supply	220 V, 50 Hz	
6. Voltage insulation		
6.1.Mains - Patient	4 kV	
7. Specifications		
9.1.Weight	68 kg	
9.2.Dimensions		
Height	86 - 106 cm	
Width	60 or 70 cm	
Back-rest length	90 cm	
Seat length	40 cm	
Standard back-rest tilt (other adjustment available upon request)	30°	
Standard seat tilt (other adjustment available upon request)	0°	
9.3.Cover according to EN 60529	IP20	
9.4.Control unit	switch with 2, 4, 6, or 10 buttons	

8. Electrically adjustable features

Feature	Range	Step
Seat tilt	0 - 45°	continuous
Back-rest tilt	5° - 50°	continuous
Height adjustment	86 - 106 cm	continuous

9. Classification

Class according to 60601-1 II
 Applied part B type
 Class according to NV 180 (93/42/EEC) I

10. Applicable standards

1	Medical electrical equipment	EN 60601-1
2	Amendment to EN 60601-1	A2
3	Amendment to EN 60601-1	A12
4	Amendment to EN 60825-1	A11
5	Medical electrical equipment	EN 60601-1-2
	Electric compatibility. Requirements and tests.	
6	Medical devices	EN 1441
	Risk analysis	
7	Biological evaluation of medical devices	EN ISO 10993-1

11. Certificates

Type	Standards	Testing laboratory
Protocol	4	TestCom

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